IN THE CLAIMS

Claims 12, 13,19 (canceled)

Please amend the claims as follows:

1. (currently amended) A disk unit, connectable to a server computer and a client computer via a network, wherein the server computer manages a function that the client computer requests to execute and manages data stored in the disk unit, the disk unit comprising:

disk storage media for storing data; and

a control unit which includes a memory for storing a function and function information relating to execution of the function that are sent from the server computer; ~~and~~,

~~a frame which integrates said disk storage media and said control unit into a single integrated package,~~

wherein said control unit executes the function in response to a function ~~execute~~ execution request from the client computer and ~~restricts~~examines, based on the function information, whether an access from external of said disk unit to the data stored in said disk storage media is allowable or not and restricts accesses to the data stored in the disk storage media from external of said disk unit to the data stored in said disk storage media during execution of the function.

2. (previously amended) A disk unit according to claim 1, wherein:

the function is a selection or extraction process in a database.

3. (previously amended) A disk unit according to claim 1, wherein:

the function is a direct data transfer between the client and disk units without passing through the server.

4. (currently amended) A disk unit according to claim 1, wherein:

the function information comprises a list that indicates an accessible area, and

wherein said control unit ~~restricts accesses for the data~~examines whether access to the data is allowable or not based on the list.

5. (currently amended) A disk unit according to claim 4, wherein:

the list comprises attributes, such as read, write and executable, related to access restriction during function execution.

6. (previously amended) A disk unit according to claim 4, wherein:

said control unit abnormally terminates execution of the function in the case that an access occurs in violation of the access ~~restriction~~examination.

7. (previously amended) A disk unit according to claim 1, wherein:

said control unit monitors whether execution of the function was performed successfully and restores data stored in said disk storage media to its state prior to execution of said function in the case that execution of the function was not successful.

8. (previously amended) A disk unit according to claim 1, wherein:

said control unit monitors whether execution of the function was performed successfully, sets in the function information a user command that specifies whether to restore data stored in said disk storage media to its state prior to execution of the function in the case that execution of the function was not successful and restores data stored in said disk storage media to its state prior to execution of the function only in the case where a command has been set in the function information to restore data stored in said disk storage media to its state prior to execution of the function in the case that execution of the function was not successful.

9. (previously amended) A disk unit according to claim 7, wherein:

said control unit does not overwrite non-updated data with data updated from the function execution, until the execution of the function is complete.

10. (currently amended) A disk unit according to claim 8, wherein:

~~said disk unit is characterized by~~ a control unit ~~that~~ does not overwrite non-updated data with data updated from the function execution, until the execution of the function is complete.

11. (previously amended) A disk unit according to claim 9, wherein:

said control unit stores data updated from said function execution in the memory.

14. (currently amended) A disk unit, connectable to a client computer via a network, comprising:

disk storage media to store data; and

a control unit~~; and~~,

~~a frame which integrates said disk storage media and said control unit into a single integrated package,~~

wherein said control unit receives function ~~execute~~ execution requests and user ID information from a client unit via a network, and

wherein based on said user ID information, creates function information to ~~restrict~~examine accesses from external of said disk unit to an access area for data stored in said storage media at each function ~~execute~~execution request, and ~~restricts~~examines accesses from external of said disk unit to the access area based on said function information, and restricts the access.

15. (currently amended) A method of controlling a disk unit connectable to a server computer and a client computer via a network, wherein the disk unit has disk storage media for storing data, and a control unit, ~~and a frame which integrates said disk storage media and said control unit into a single integrated package,~~

wherein the server computer manages a function that the client computer requests to execute and manages data stored in the disk unit, the method comprising the steps of:

receiving, in said disk unit, a function and function information relating to execution of the function from the server;

executing, in said disk unit, the function in response to a function ~~execute~~ execution request from the client computer; and

~~restricting~~examining, in said disk unit, based on the function information, accesses from external of said disk unit to the data stored in said disk storage media and restricting the access during execution of the function.

16. (previously amended) A method of controlling a disk unit according to claim 15, wherein:

the function is a selection or extraction process in a database.

17. (previously amended) A method of controlling a disk unit according to claim 15, wherein:

the function is a direct data transfer between the client and disk units without passing through the server.

18. (currently amended) A method of controlling a disk unit according to claim 15, wherein:

the function information comprises a list that indicates an accessible area, and

wherein said control unit ~~restricts~~examines accesses for the data based on the list.

20. (currently amended)A client server system comprising:

a client computer;

a server computer connected to the client computer; and

a disk unit connected to the client computer and the server computer, the disk unit having disk storage media for storing data, and a control unit, ~~and a frame which~~

~~integrates said disk storage media and said control unit into a single integrated packages,~~

wherein said client computer requests a function execution to said server computer,

wherein said server computer creates function information relating to execution of the function that has been requested to execute from said client computer, and

wherein said disk unit receives the function and the function information from the server computer, executes the function and examines ~~restricts~~, based on the function information, accesses from external of said disk unit to the data stored in said disk storage media and restricts the accesses during execution of the function.